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James Hayes, William G. Griswold, Stuart Moskovics

June 2000 Proceedings of the 22nd international conference on Software engineering

Full text available: pdf(123.81 KB) Additional Information: full citation, abstract, references, index terms

Interactive program analysis tools are often tailored to one particular representation of programs, making adaptation to a new language costly. One way to ease adaptability is to introduce an intermediate abstraction—an adaptation layer—between an existing language representation and the program analysis tool. This adaptation layer translates the tool's queries into queries on the particular representation. Our experiments with this approach on the StarTool program ana ...

Keywords: program analysis, retargetability, reuse, software design, software tools

² Technical correspondence: Language integration in the common language runtime Jennifer Hamilton

February 2003 ACM SIGPLAN Notices, Volume 38 Issue 2

Full text available: pdf(974.52 KB) Additional Information: full citation, abstract, references

The Common Language Runtime (CLR) is language and platform-neutral, and provides the underlying infrastructure for the Microsoft .NET Framework, A key innovation in the CLR is its support for multiple programming languages, enabling programming language integration at the runtime level to a much greater degree than is currently possible.

Keywords: common type system, exception handling, intermediate language, language interoperability, metadata, virtual machine

Automated support for seamless interoperability in polylingual software systems Daniel J. Barrett, Alan Kaplan, Jack C. Wileden October 1996 ACM SIGSOFT Software Engineering Notes, Proceedings of the 4th ACM SIGSOFT symposium on Foundations of software engineering, Volume 21 Issue 6

Additional Information: full citation, abstract, references, citings, index

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